

# Advanced Management

## Program

### War Reserve Materiel

#### Validation/Justification/Automation

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**AMP**



**Tench Francis  
School of  
Business**

# Agenda

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- ◆ Issue
- ◆ Background
- ◆ Recommendations



# Issue

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- ◆ WRM program is only funded at 11% (\$200M) of Requirements (\$1.8B)
- ◆ Better requirement validation/justification is required
  - Obsolete items
  - Redundant items
- ◆ Web-based Total Asset Visibility is required
  - Several inventories on legacy systems
  - Systems are not integrated



# War Reserve Materiel

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## Background

- ◆ NAVSUP Pub 717, Navy War Reserve Materiel
  - Navy WRM requirements per OPNAVINST 4080.11D
  - Cookbook for Navy planners, project managers, resource sponsors and inventory managers
- ◆ Customers
  - NCF/NAVELSF/NFELC/NAVMEDLOGCOM/NAVSEA/MSC
- ◆ War Reserve materiel status via Standard War Reserve Report (SWRR)

Total WRM			
Requirement Value	Asset Available Value	Approved Deferment	Deficiency Value
\$1.8B	\$0.2B	\$0.1B	\$1.5B

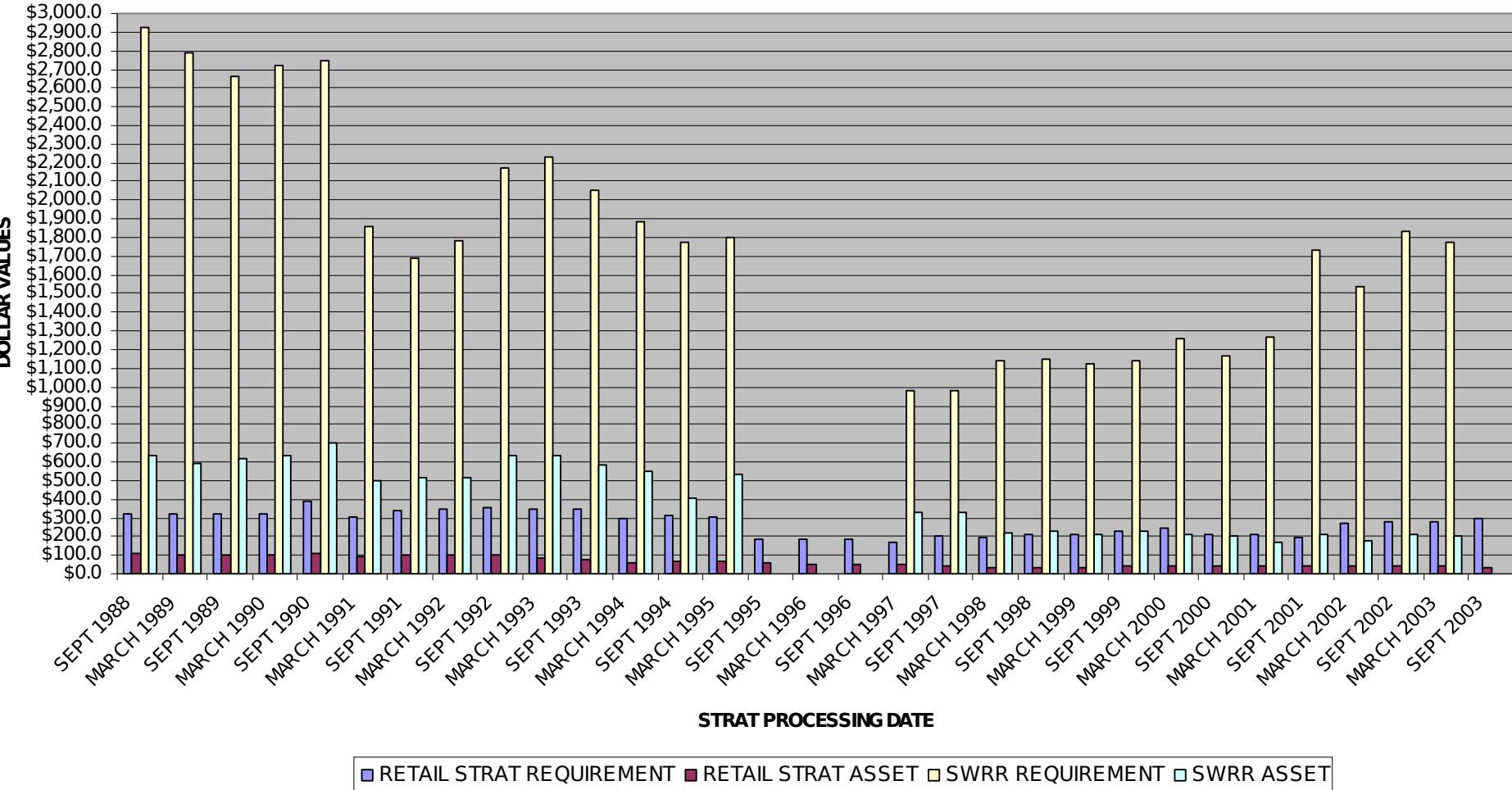


# WRM Background (Cont'd)

- ◆ Approximately 78 CNO approved projects
- ◆ Projects include:
  - RNCF Regiments, NMCB'S, CBMU's
    - » MPS: 3 NMCB's on 3 Squadrons (9 Ships)
  - NAVELSF CBHU's, Supply Support Battalions
  - NAVMEDLOGCOM Fleet Hospitals
  - MSC Minesweeper



# Historical WRM Snapshot

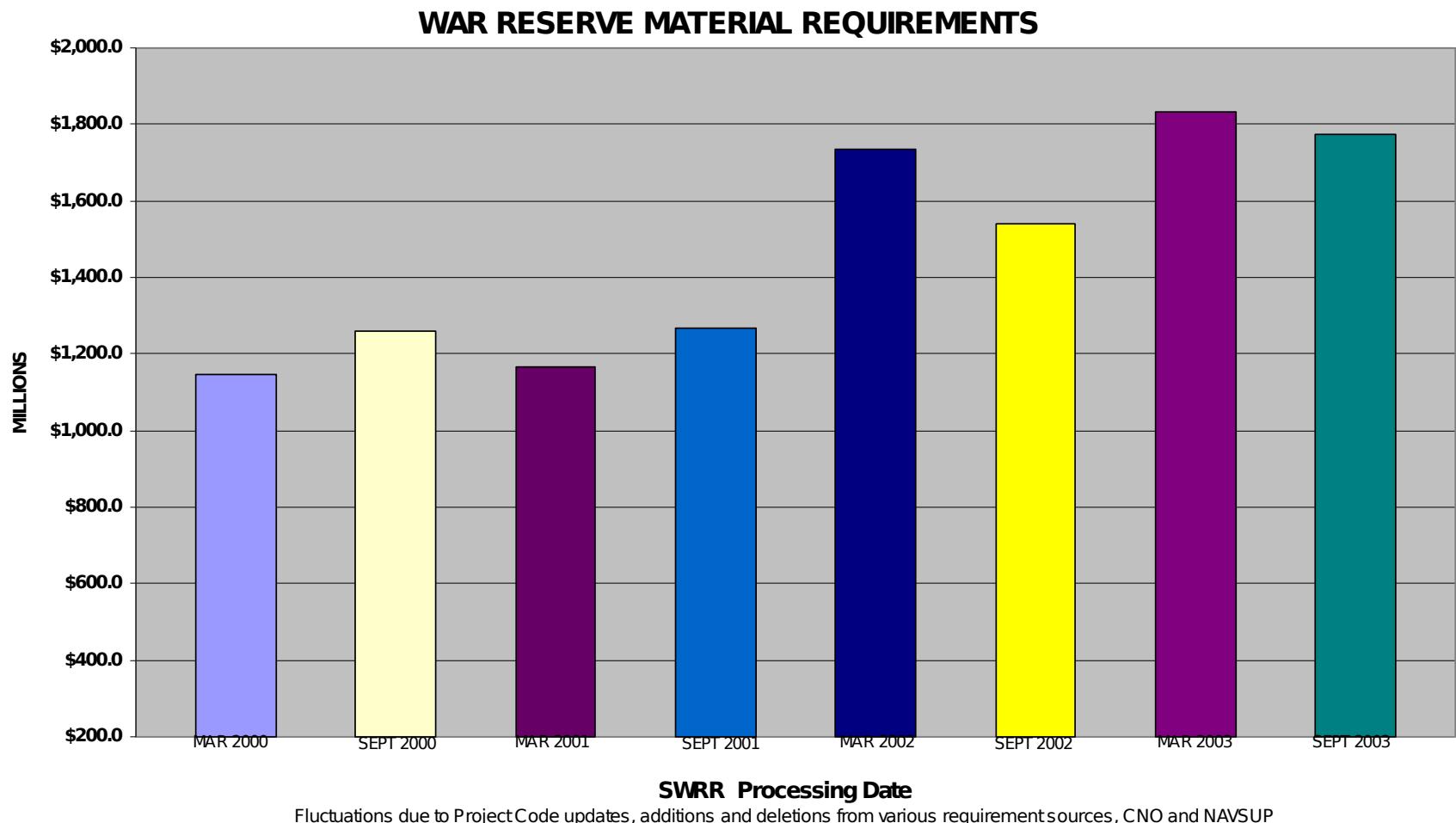


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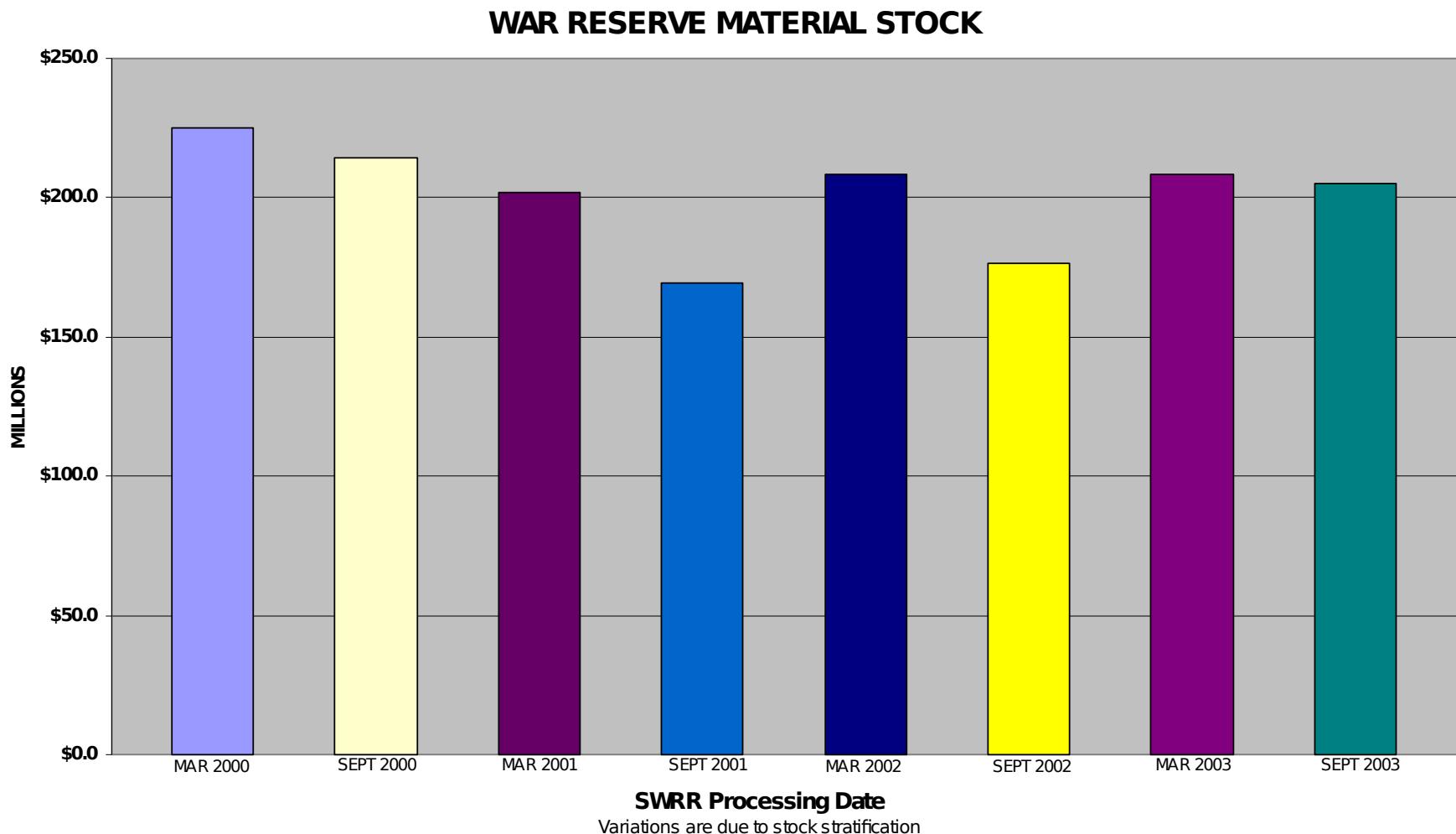


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# WRM Background (Cont'd)



# WRM Background (Cont'd)



# Recommendations

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- ◆ Streamline WRM to meet DPG
  - Zero-Based Inventory Review
  - Automate Validation Process
  - Minimize WRM using Just-in-Time Delivery
- ◆ Implement an Web-based automated WRM inventory
  - Table of Allowance and Assessment Reporting System (TOAARS)

# TOAARS

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- ◆ Initially designed to support the development and defense of the budget requirements for the Naval Facilities Engineering Command (NAVFAC) through the Chief of Naval Operations Resource Sponsor (OPNAV)
- ◆ Focuses on identification of deficiencies for all classifications of materiel, including Prepositioned War Reserve Material (WRM) Stock and final title materiel across major appropriations, including OPN and O&M,N
- ◆ Provides community wide visibility of the TOA assets and program status at the strategic and operational level through an easily accessible, firewall-protected, web-portal



# TOAARS Background

- ♦ Historically only about 40% (CESE and WRM) of NCF assets were visible at the headquarters level. This lack of visibility was primarily for assets held at operational units. Essentially, there was no high-level, post-provisioning inventory visibility of non-CESE assets for the operating units.
- ♦ Before TOAARS, the process of determining budget requirements consisted of a labor-intensive (3-5 manweeks) effort using both manual and automated reporting resources in a variety of formats to create voluminous, complex spreadsheets referred to as the “readiness library.” In the wake of successive reductions in force, NFELC successfully undertook an initiative to increase data accuracy, efficiency, and visibility by transforming the readiness library into a robust data warehouse application providing asset visibility via an easily accessible web-portal.

# How is it constructed?

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- ♦ Evolving - Developed in a modular fashion
- ♦ Four modules completed/nearly completed
  - Assessment Reporting Module
  - Readiness Analysis Module
  - Procurement Module
  - Budget Programming Module (scheduled for 31 January 2004)
- ♦ Additional modules being contemplated
  - Budget Execution/Program Dollars Tracking Module
  - Configuration Data Management Database (CDMD) Interface Module
  - Drill-Down ABFC Requirements Module (to replace ABFC View)
  - SORTS Module
  - ILS Status Module
- ♦ Currently used by the NCF. Amphibious community, EOD, NCWG, and other expeditionary organizations are also excited about using it.

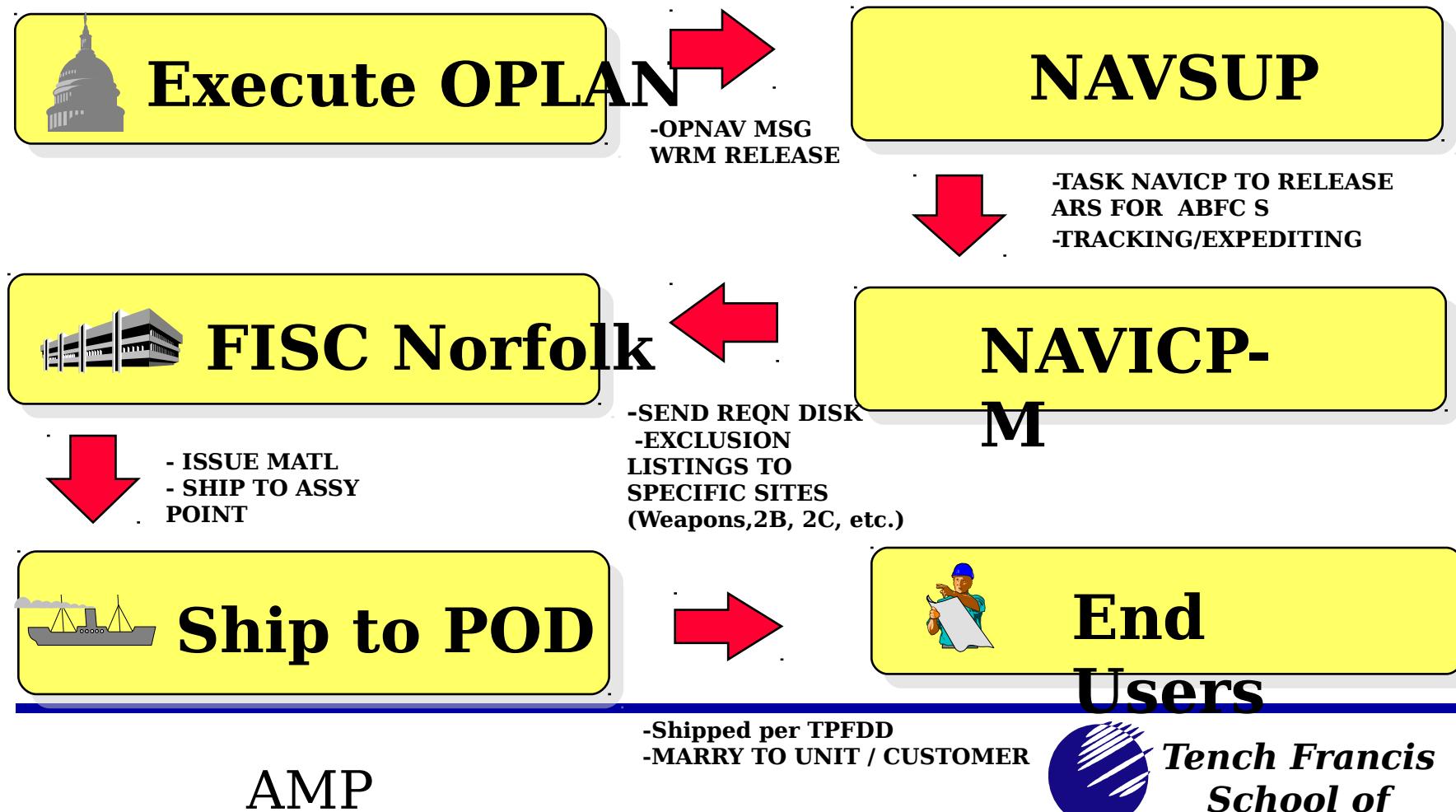


# Backup Slides

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# WRM Issue Process



# Assessment Reporting Module

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- ♦ Provides access to the TOA structure and data (allowance and inventory) for individual units, as well as across the NCF
- ♦ Requirements and asset data gathered from two main sources:
  - NFECLC MIS systems (requirements and WRM assets)
  - Inventory feeds from operational commands (final title assets)
- ♦ Stratifies community assets against requirements using specific rules of allocation
- ♦ Offers the ability to view assets via a drill-through functionality
- ♦ Allows the user to focus on a specific unit, component, facility, group, or assembly, while summarizing to any one of those levels
- ♦ Summarizations can also be grouped by specific designations such as active status, component type, commodity type, Regiment, and others



# Readiness Analysis Module

- ◆ Allows allocation of assets against the requirements based on various external modifications, such as how assets stratify across the requirements differently with different priorities, or how changes to funding profiles and to assets impact the potential changes to the funding
- ◆ Use of multiple databases allows separate analysis of:
  - Initial outfitting status (SYSCOM responsibility)
  - Current operational materiel status (operational commander responsibility)



# Procurement Module

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- ♦ Developed to facilitate the acquisition of material requirements
- ♦ Automates a previously labor/time intensive manual process that relied on viewing huge Excel spreadsheets and countless hours of data entry
- ♦ Shows actual deficiencies of material and equipment based on given priorities within budget execution categories
- ♦ Value-added information is made available to, and processed electronically for verification and modification by, equipment managers and procurement analysts
- ♦ Results in an electronic feed to acquisition systems in requisition format



# Module

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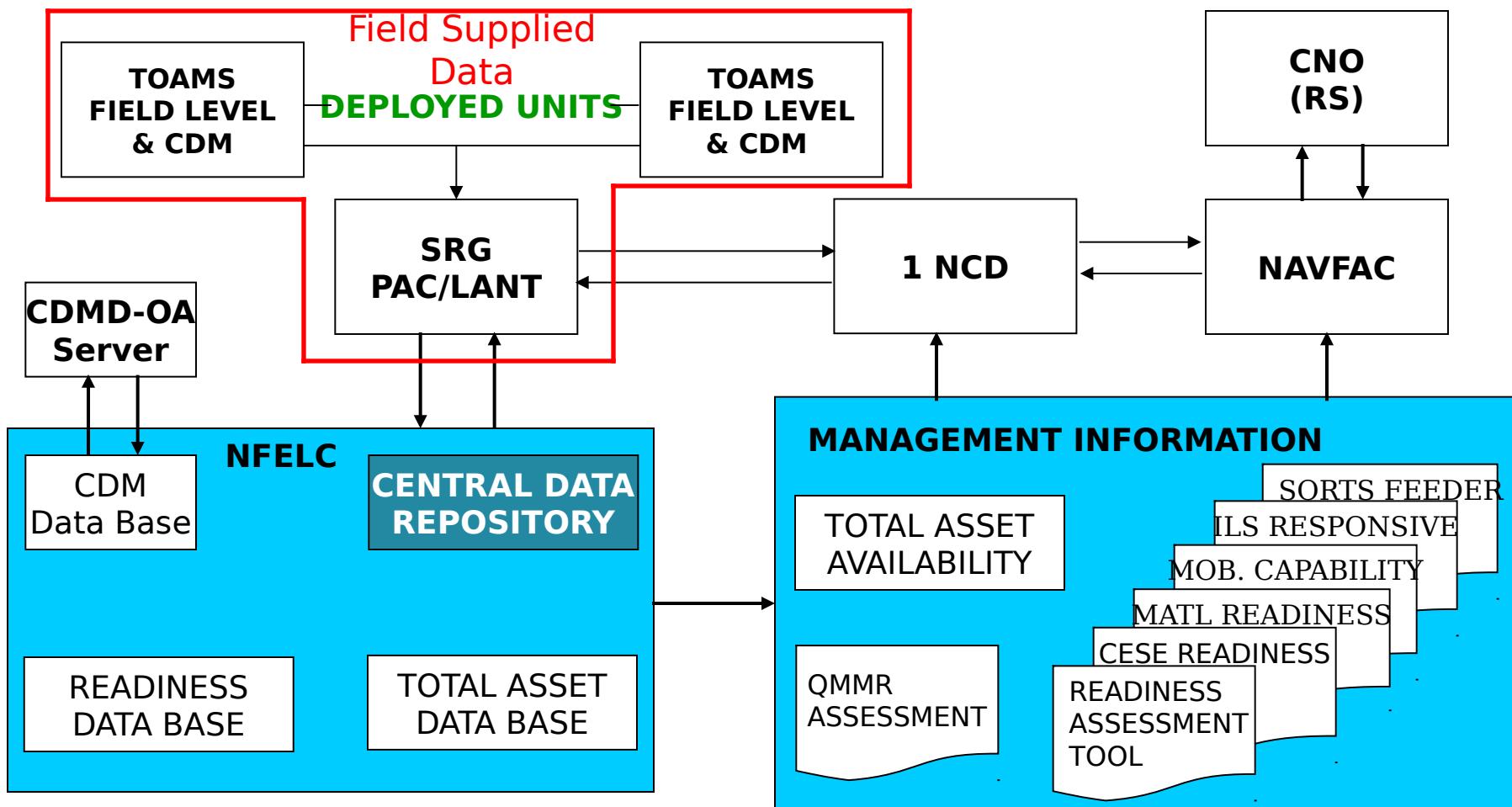
- ♦ Will support a consistent and disciplined methodology using the unique TOA structure for budget development and submission to OPNAV resource sponsors
- ♦ Will support five separate OPNAV resource sponsors responsible for development, submission and defense of 16 separate program budgets
- ♦ Will eventually stratify equipment based on individual equipment age and life expectancies, enhancing the features of the Procurement Module
- ♦ May eventually provide streamlined visibility of actual versus planned obligations
- ♦ May eventually feed directly to the procurement module for procurement processing



# **Backup Slides**

# LOGISTICS DATA MANAGEMENT

## NAVAL CONSTRUCTION FORCE (NCF)



Naval Construction Battalion Center Table Of Allowances - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

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## NFELC Table of Allowance and Assessment Reporting System (TOAARS)

Drill Down Queries

Click to Select Drill Down Query Path:

- Section>EUIC>Assembly>Nsn
- EUIC>Section>Assembly>Nsn
- EUIC>Section>Assembly>Nsn(Requirements Only)
- EUIC>Section>Fac/Grp>Assembly>Nsn
- EUIC>SubComp>Section>Fac/Grp>Assembly>Nsn
- Activity>EUIC>Section>Fac/Grp>Assembly>Nsn
- Assembly>Nsn
- Where Used

We welcome you to our TOAARS website application.

Your suggestions are encouraged.

CLICK HERE 

WHAT'S NEW With TOAARS 

Today Is 15 January 2004

Learn how to use PowerPlay Cubes for report generation.

Use PowerPlay Cubes. **CLICK HERE**  to continue.

Preformatted Reports

Click to Select Report:

After selecting a report **CLICK HERE**  to continue.

\*Based on TOA asset inventory data as of 05 JAN 2004.

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# TOAARS - COMPONENT LEVEL

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**NCBCPH Table of Allowance and Assessment Reporting System (TOAARS)**

**Total Line Items: 34 Total Requirement: 203204 Total Requirement Value: \$ 1,079,594,070 Total Asset Value: \$ 763,559,845 Total Deficient Value: \$ 316,034,222 Total Defrd Defct Value: \$ 26,006,703 Total Defct Less Defrd: \$ 290,027,521 Total Sub Value: \$ 399,518,214**

**EUIC Component Allowance Quantity Requirement Value Allowance Available Asset Value Allowance Deficient Deficient Value Deferred Deficient Value Deficient Less Deferred Substitute Value**

%	EUIC	Component	Allowance Quantity	Requirement Value	Allowance Available	Asset Value	Allowance Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
●	MPX02	P25	8827	\$43,404,192	6699	\$36,891,790	2128	\$6,512,402	\$1,158,512	\$5,353,890	\$17,060,999
●	MPX12	P29	868	\$2,691,887	648	\$2,380,919	220	\$310,968	\$10,440	\$300,528	\$681,540
●	MPX01	P25	8827	\$43,404,192	6852	\$36,504,415	1975	\$6,899,777	\$1,119,274	\$5,780,503	\$20,638,130
●	MPX11	P29	868	\$2,691,887	576	\$2,204,572	292	\$487,314	\$12,501	\$474,813	\$689,512
●	HAL02	P25	8827	\$43,404,192	5823	\$37,741,172	3004	\$5,663,020	\$1,278,299	\$4,384,721	\$19,546,849
●	DAL01	P25	8827	\$43,404,192	2087	\$30,889,125	6740	\$12,515,067	\$659,842	\$11,855,225	\$20,246,960
●	DAP02	P25	8827	\$43,404,192	5166	\$38,266,020	3661	\$5,138,172	\$416,495	\$4,721,676	\$17,758,522
●	DAP01	P25	8827	\$43,404,192	5365	\$36,028,156	3462	\$7,376,036	\$1,334,216	\$6,041,820	\$17,583,782
●	HAL03	P25	8827	\$43,404,192	4036	\$36,258,398	4791	\$7,145,794	\$1,381,488	\$5,764,306	\$18,705,022
●	HAL19	P35	1362	\$9,772,146	400	\$6,477,986	962	\$3,294,160	\$146,933	\$3,147,228	\$1,207,108
●	HAP19	P35	1362	\$9,772,146	569	\$6,778,915	793	\$2,993,231	\$180,294	\$2,812,938	\$831,886
●	HAP01	P25	8827	\$43,404,192	7222	\$39,313,774	1605	\$4,090,418	\$686,256	\$3,404,162	\$16,817,240
●	HAL01	P25	8827	\$43,404,192	3230	\$35,943,125	5597	\$7,461,067	\$1,087,569	\$6,373,498	\$20,279,656
●	HAP02	P25	8827	\$43,404,192	4923	\$35,356,108	3904	\$8,048,084	\$1,343,510	\$6,704,574	\$20,845,353
●	MPX03	P25	8827	\$43,404,192	5135	\$40,775,392	3692	\$2,628,800	\$347,351	\$2,281,449	\$18,492,029
●	MPX13	P29	868	\$2,691,887	512	\$2,411,895	356	\$279,992	\$12,368	\$267,624	\$358,620
●	MPX04	P25	8827	\$43,404,192	4891	\$36,473,119	3936	\$6,931,073	\$1,241,259	\$5,689,814	\$17,389,089
●	MPX14	P29	868	\$2,691,887	422	\$1,505,451	446	\$1,186,436	\$12,861	\$1,173,575	\$521,742
●	WRP01	P25	8827	\$43,404,192	4353	\$31,298,728	4474	\$12,105,463	\$1,370,574	\$10,734,889	\$18,800,930
●	WRP17	P31	5886	\$57,556,994	4684	\$41,891,248	1202	\$15,665,746	\$1,744,844	\$13,920,903	\$23,865,078
●	WRL21	P05	3289	\$12,060,755	1945	\$8,089,458	1344	\$3,971,296	\$193,770	\$3,777,526	\$4,150,416
●	WRL17	P31	5886	\$57,556,994	1570	\$31,065,943	4316	\$26,491,051	\$1,846,673	\$24,644,379	\$14,611,683
●	WRP21	P05	3289	\$12,060,755	1130	\$4,456,560	2159	\$7,604,195	\$210,073	\$7,394,122	\$2,030,125
●	WRP02	P25	8827	\$43,404,192	1247	\$24,027,897	7580	\$19,376,295	\$1,513,816	\$17,862,479	\$16,775,940
●	WRL01	P25	8827	\$43,404,192	1634	\$25,806,912	7193	\$17,597,280	\$1,497,683	\$16,099,596	\$17,976,207
●	WRP03	P25	8827	\$43,404,192	1193	\$17,053,189	7634	\$26,351,003	\$1,522,185	\$24,828,818	\$10,182,481
●	WRL02	P25	8827	\$43,404,192	1207	\$17,395,282	7620	\$26,008,910	\$1,514,030	\$24,494,881	\$11,086,931
●	WRL03	P25	8827	\$43,404,192	5218	\$27,865,770	3609	\$15,538,422	\$266,569	\$15,271,853	\$12,722,407

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%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value			
	24	8827	\$ 43,404,191	\$ 36,891,790	\$ 6,512,402	\$ 1,158,513	\$ 5,353,890	\$ 17,061,000			
%	Section	Description	Allowance Quantity	Requirement Value	Allowance Available	Asset Value	Allowance Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
1	FACILITIES (CAMP SUPPORT)	184	\$3,286,641	121	\$3,006,871	63	\$279,770	\$1,972	\$277,798	\$142,647	
3	FACILITY COLLATERAL EQUIP	155	\$460,059	134	\$423,725	21	\$36,334	\$2,576	\$33,757	\$31,889	
4	CESE	271	\$26,668,596	221	\$22,562,941	50	\$4,105,655	\$0	\$4,105,655	\$16,188,393	
5	CESE REPAIR PARTS	11	\$875,536	0	\$0	11	\$875,536	\$875,536	\$0	\$0	
6	ISO CONTAINERS	188	\$1,584,514	185	\$1,562,842	3	\$21,672	\$0	\$21,672	\$0	
7	COLL ISO CONTAINERS	62	\$294,432	62	\$294,432	0	\$0	\$0	\$0	\$0	
8	CENTRAL TOOLROOM (CTR)	367	\$1,881,199	305	\$1,850,728	62	\$30,471	\$8,747	\$21,724	\$106,877	
9	MOUNTOUT/EMBARKATION	9	\$24,081	9	\$24,081	0	\$0	\$0	\$0	\$0	
10	PHOTO EQUIP	1	\$889	1	\$889	0	\$0	\$0	\$0	\$0	
11	COMPUTER/ADP EQUIP	94	\$347,157	92	\$345,732	2	\$1,425	\$0	\$1,425	\$0	
12	ADMIN OSI (INCLUDES CHAPLAINS SUPPORT)	21	\$56,118	15	\$56,095	6	\$24	\$24	\$0	\$5,602	
13	NIGHT VISION DEVICES (NVDS)	72	\$680,695	72	\$680,695	0	\$0	\$0	\$0	\$2,064	
14	WEAPONS	1737	\$1,182,660	1438	\$827,950	299	\$354,710	\$1,925	\$352,785	\$61,441	
15	COMM EQUIP	532	\$2,537,531	503	\$2,510,123	29	\$27,408	\$0	\$27,408	\$13,158	
16	CBR-D	100	\$1,716,661	60	\$1,182,205	40	\$534,456	\$40,776	\$493,681	\$16,968	
17	MEDICAL	925	\$268,772	901	\$193,475	24	\$75,296	\$60,949	\$14,348	\$1,522	
18	DENTAL	1	\$79,392	0	\$76,589	1	\$2,803	\$1,516	\$1,287	\$46,511	
19	INFANTRY EQUIP	2434	\$1,091,704	2434	\$1,091,704	0	\$0	\$0	\$0	\$403,064	
20	ORGANIZATIONAL CLOTHING	1	\$33,281	1	\$33,281	0	\$0	\$0	\$0	\$32,169	
23	EXTINGUISHERS	70	\$55,205	70	\$55,205	0	\$0	\$0	\$0	\$0	
24	CENTRAL STOREROOM (CSR)	10	\$25,179	4	\$24,228	6	\$951	\$951	\$0	\$4,198	
26	PUBLICATIONS	4	\$520	0	\$0	4	\$520	\$520	\$0	\$0	
27	SUBSISTENCE	1510	\$156,553	23	\$15,730	1487	\$140,823	\$140,823	\$0	\$0	
28	POL	68	\$96,816	48	\$72,269	20	\$24,548	\$22,198	\$2,350	\$4,497	

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%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value
●	7	48	\$ 279,959	\$ 279,917	\$ 42	\$ 42	\$0	\$ 2,272

%	Assembly	Description	Assembly Req	Requirement Value	Assembly Available	Asset Value	Assembly Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
●	10062	TENT MODULAR GEN PURP SYST,GRN-TYPE3, 18FT X 36FT	6	\$57,000	6	\$57,000	0	\$0	\$0	\$0	\$0
●	22000	TANK PILLOW 3000 GAL POT WATER	6	\$34,354	2	\$34,329	4	\$25	\$25	\$0	\$0
●	25001	HEATER SPACE 45000 BTU/HR F/TENTS	6	\$3,926	6	\$3,926	0	\$0	\$0	\$0	\$0
●	27105	LEACH LINE 40FT F/LEACHING FIELD (SHORT)	12	\$1,402	8	\$1,385	4	\$17	\$17	\$0	\$0
●	29912	SHOWER BATH UNIT 12 HEAD	6	\$169,599	6	\$169,599	0	\$0	\$0	\$0	\$244
●	30207	INTERUPTER GROUND FAULT (SGFI-3PN BRANCH POWER)	6	\$8,678	6	\$8,678	0	\$0	\$0	\$0	\$0
●	30210	TENT RECEPTACLES-LIGHTING ASSY W/8-100W	6	\$5,000	6	\$5,000	0	\$0	\$0	\$0	\$2,028

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%	Total Line Items	Total Requirement	Total Requirement Value		Total Asset Value		Total Deficient Value		Total Defrd Defct Value		Total Defct Less Defrd		Total Sub Value				
●	8	168	\$1,401.96		\$1,385.24		\$16.72		\$16.72		\$0		\$0				
%	NSN	Description	COG	Price	UI	Total NSN Req	Requirement Value	NSN Per Assembly	Cost Per Assembly	NSN Available	Asset Value	NSN Deficient	Deficient Value	Defer Code	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
●	4710004765876	PLASTIC PIPE	9C	\$51.20	LG	12	\$614.40	1	\$51.20	12	\$614.40	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4710LLLCC1583	DRAIN PIPE	0N	\$4.10	LG	48	\$196.80	4	\$16.40	48	\$196.80	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4730004725066	COUPLING PIPE	9C	\$2.17	EA	24	\$52.08	2	\$4.34	24	\$52.08	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4730004725070	PLUG PIPE	9C	\$1.90	EA	12	\$22.80	1	\$1.90	12	\$22.80	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4730004758593	COUPLING PIPE	9C	\$4.77	EA	12	\$57.24	1	\$4.77	12	\$57.24	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4730004758803	ELBOW	9C	\$8.90	EA	12	\$106.80	1	\$8.90	12	\$106.80	0	\$0.00		\$0.00	\$0.00	\$0.00
●	4730011702442	ADAPTER PP	9C	\$8.38	EA	36	\$301.68	3	\$25.14	36	\$301.68	0	\$0.00		\$0.00	\$0.00	\$0.00
●	8040005731502	SOLVENT CEMEN	9Q	\$4.18	PT	12	\$50.16	1	\$4.18	8	\$33.44	4	\$16.72	AH	\$16.72	\$0.00	\$0.00